15 April 1996

ELSEVIER

Optics Communications 125 (1996) 385–389

OPTICS COMMUNICATIONS

Author index to volume 125

Abramochkin, E. and V. Volostnikov, Spiral-type beams: optical and quantum aspects	125 (1996) 302
Agullo-Lopez, F., see Alieva, T.	125 (1996) 267
Alieva, T. and F. Agullo-Lopez, Optical wave propagation of fractal fields	125 (1996) 267
Andrés, P., see Tepichin, E.	125 (1996) 27
Apanasevich, P.A., see Vodchitz, A.I.	125 (1996) 243
Arnold, M. and A. Otto, Notes on localization of surface-plasmon-polaritons	125 (1996) 122
Artemyev, M.V., see Yumashev, K.V.	125 (1996) 59
Balakireva, L.L., see Kozhevnikov, I.V.	125 (1996) 13
Balasubramanian, R., T. Srinivas and A. Selvarajan, Analysis of interaction between inclined waveguide modes	125 (1996) 324
Bell, A.S., see Snadden, M.J.	125 (1996) 70
Bennett, L., A. Kilian and R. Macdonald, A simulation of reorientation driven pattern formation in a nematic liquid crystal with a single feedback mirror	125 (1996) 250
Bennion, I., see Rao, Y.J.	125 (1996) 53
Borghi, R., F. Gori and M. Santarsiero, Optimization of Laguerre-Gauss truncated series	125 (1996) 197
Borghi, R., see Palma, C.	125 (1996) 113
Boutenko, V. and R. Chevallier, Second order direct binary search algorithm for the synthesis of computer-generated holograms	125 (1996) 43
Cai, B., see Lü, B.	125 (1996) 48
Calderón, O.G. and I. Gonzalo, Electronic-vibrational coupling effects in the single mode laser	125 (1996) 369
Cancio, P., see Prevedelli, M.	125 (1996) 231
Chen, J.I., see Li, L.	125 (1996) 257
Chen, Z., see Li, L.	125 (1996) 257
Chevallier, R., see Boutenko, V.	125 (1996) 43
Chittibabu, K.G., see Li, L.	125 (1996) 257
Chorąży, J., T. Kotowski and T. Stacewicz, Investigation of resonance radiation trapping for optically saturated $3\,^2S_{1/2} \rightarrow 3\,^2P_{1/2}$ transition in sodium vapour	125 (1996) 65
Cincotti, G., see Palma, C.	125 (1996) 113
Clarkson, W.A., see Martin, K.I.	125 (1996) 359
De Angelis, C. and S. Wabnitz, Interactions of orthogonally polarized solitons in optical fibers	125 (1996) 186
Débarre, A., see Lorgeré, I.	125 (1996) 95
Dorsch, R.G., see Lohmann, A.W.	125 (1996) 18

Drewsen, M., R.J.C. Spreeuw and J. Mlynek, Achromatic lenses for atoms using velocity-dependent light-induced potentials 125 (1996) 77
Dutta Gupta, S. and J. Jose, Enhanced back-scattering with surface and guided modes coupled to a phase conjugate mirror 125 (1996) 105

Erden, M.F., H.M. Ozaktas and D. Mendlovic, Synthesis of mutual intensity distributions using the fractional Fourier transform 125 (1996) 288
Ertmer, W., see Högele, A. 125 (1996) 90

Fedorenko, A.I., see Kozhevnikov, I.V. 125 (1996) 13
Ferguson, A.I., see Snadden, M.J. 125 (1996) 70

Gan, X.S., see Gu, M. 125 (1996) 1
Gerdjikov, V.S., see Uzunov, I.M. 125 (1996) 237
Giusfredi, G., see Prevedelli, M. 125 (1996) 231
Gölles, M., see Uzunov, I.M. 125 (1996) 237
Gonzalo, I., see Calderón, O.G. 125 (1996) 369
Gori, F., see Borghi, R. 125 (1996) 197
Goudail, F. and P. Réfrégier, Optimal and suboptimal detection of a target with random grey levels imbedded in non-overlapping noise 125 (1996) 211
Gouesbet, G., C. Letellier, G. Gréhan and J.T. Hodges, Generalized optical theorem for on-axis Gaussian beams 125 (1996) 137
Gréhan, G., see Gouesbet, G. 125 (1996) 137
Gu, M. and X.S. Gan, Effect of an ultrashort pulse on Fresnel diffraction by a circular opaque disk 125 (1996) 1
Guo, R. and Z. Ling, Diffraction efficiency of photorefractive index gratings 125 (1996) 101
Gupta, S., see Mizunami, T. 125 (1996) 226
Gurin, V.S., see Yumashev, K.V. 125 (1996) 59

Hall, T.A., see Pinto-Robledo, V.J. 125 (1996) 338
Hanna, D.C., see Martin, K.I. 125 (1996) 359
Hart, M.B., see Videen, G. 125 (1996) 275
Hodges, J.T., see Gouesbet, G. 125 (1996) 137
Högele, A., G. Hörbe, H. Lubatschowski, H. Welling and W. Ertmer, 2.70 μm CrEr:YSGG laser with high output energy and FTIR-Q-switch 125 (1996) 90
Honda, T., see Kodama, I. 125 (1996) 36
Hörbe, G., see Högele, A. 125 (1996) 90
Hwang, R.-B. and C.-C. Wei, Small perturbation analysis of diffracted holographic gratings 125 (1996) 217

Ibarra, J., see Tepichin, E. 125 (1996) 27
Inguscio, M., see Prevedelli, M. 125 (1996) 231
Ishibashi, S., H. Itoh, T. Kaino, I. Yokohama and K. Kubodera, New cavity configurations of Nd:MgO:$LiNbO_3$ self-frequency-doubled lasers 125 (1996) 177
Ito, A., see Kodama, I. 125 (1996) 36
Itoh, H., see Ishibashi, S. 125 (1996) 177
Itoh, T., see Mizunami, T. 125 (1996) 226

Jackson, D.A., see Rao, Y.J. 125 (1996) 53
Jiang, Z.-P., Super-Gaussian-Bessel beam 125 (1996) 207

Jose, J., see Dutta Gupta, S. 125 (1996) 105
Juškaitis, R., see Rea, N.P. 125 (1996) 158

Kaino, T., see Ishibashi, S. 125 (1996) 177
Kanai, N., A simple technique for evaluating the spatial coherence of light 125 (1996) 204
Kilian, A., see Bennett, L. 125 (1996) 250
Kinoshita, K., see Kodama, I. 125 (1996) 36
Kodama, I., M. Yamaguchi, N. Ohyama, T. Honda, K. Shinohara, A. Ito, T. Matsumura, K. Kinoshita and K. Yada, Image reconstruction from an in-line X-ray hologram with intensity distribution constraint 125 (1996) 36
Kopealets, I.A., see Kozhevnikov, I.V. 125 (1996) 13
Kotowski, T., see Chorąży, J. 125 (1996) 65
Kozhevnikov, I.V., L.L. Balakireva, A.I. Fedorenko, I.A. Kopealets, V.E. Levashov, A.N. Stetsenko, I.I. Struk and A.V. Vinogradov, Synthesis and measurement of Os–Si multilayer mirrors optimized for the wavelength 380 Å 125 (1996) 13
Kozich, V.P., see Vodchitz, A.I. 125 (1996) 243
Kubodera, K., see Ishibashi, S. 125 (1996) 177
Kulikov, V.V., see Sochava, S.L. 125 (1996) 262
Kumar, A. and A. Kumar, Properties of bright solitons in averaged and unaveraged models for SDG fibres 125 (1996) 377
Kumar, A., see Kumar, A. 125 (1996) 377
Kumar, J., see Li, L. 125 (1996) 257

Lambropoulos, P., see Zhang, J. 125 (1996) 168
Lederer, F., see Uzunov, I.M. 125 (1996) 237
Le Gouët, J.-L., see Lorgeré, I. 125 (1996) 95
Letellier, C., see Gouesbet, G. 125 (1996) 137
Levashov, V.E., see Kozhevnikov, I.V. 125 (1996) 13
Li, L., K.G. Chittibabu, Z. Chen, J.I. Chen, S. Marturunkakul, J. Kumar and S.K. Tripathy, Photorefractive effect in a conjugated polymer based material 125 (1996) 257
Ling, Z., see Guo, R. 125 (1996) 101
Liu, L., see Wang, F. 125 (1996) 21
Liu, Z., see Lü, B. 125 (1996) 48
Lobo Ribeiro, A.B., see Rao, Y.J. 125 (1996) 53
Lohmann, A.W., D. Mendlovic, Z. Zalevsky and R.G. Dorsch, Some important fractional transformations for signal processing 125 (1996) 18
Lorgeré, I., A. Richard, A. Débarre, P. Tchénio and J.-L. Le Gouët, Determination of the field cross-correlation between successive pulses in a broadband laser 125 (1996) 95
Losin, K.R., see Pakhomov, A.A. 125 (1996) 5
Lü, B., B. Cai, Z. Liu and B. Zhang, Improved segmented wedge array system with controllable line focus length 125 (1996) 48
Lubatschowski, H., see Högele, A. 125 (1996) 90

Macdonald, R., see Bennett, L. 125 (1996) 250
Martin, K.I., W.A. Clarkson and D.C. Hanna, Limitations imposed by spatial hole burning on the single-frequency performance of unidirectional ring lasers 125 (1996) 359
Marturunkakul, S., see Li, L. 125 (1996) 257

Matsumura, T., see Kodama, I. 125 (1996) 36
Mendlovic, D., see Erden, M.F. 125 (1996) 288
Mendlovic, D., see Lohmann, A.W. 125 (1996) 18
Mikhailov, V.P., see Yumashev, K.V. 125 (1996) 59
Mizunami, T., T. Itoh, S. Gupta and T. Shimomura, Interferometric measurement of KrF-laser-induced refractive index changes in germanosilicate fibers 125 (1996) 226
Mlynek, J., see Drewsen, M. 125 (1996) 77

Ngo, D., see Videen, G. 125 (1996) 275

Ohyama, N., see Kodama, I. 125 (1996) 36
Orlovich, V.A., see Vodchitz, A.I. 125 (1996) 243
Otto, A., see Arnold, M. 125 (1996) 122
Ozaktas, H.M., see Erden, M.F. 125 (1996) 288

Pakhomov, A.A. and K.R. Losin, Processing of short sets of bright speckle images distorted by the turbulent Earth's atmosphere 125 (1996) 5
Palma, C., R. Borghi and G. Cincotti, Beams originated by J_0-correlated Schell-model planar sources 125 (1996) 113
Pavone, F.S., see Prevedelli, M. 125 (1996) 231
Peřina, J., see Řeháček, J. 125 (1996) 82
Petrov, M.P., see Sochava, S.L. 125 (1996) 262
Pinto-Robledo, V.J. and T.A. Hall, Chronocyclic description of laser pulse compression 125 (1996) 338
Prants, S.V., Population locking in nonstationary two- and tri-photon resonances 125 (1996) 222
Prevedelli, M., P. Cancio, G. Giusfredi, F.S. Pavone and M. Inguscio, Frequency control of DBR diode lasers at 1.08 micrometer and precision spectroscopy of helium 125 (1996) 231
Prokoshin, P.V., see Yumashev, K.V. 125 (1996) 59

Rao, Y.J., A.B. Lobo Ribeiro, D.A. Jackson, L. Zhang and I. Bennion, Simultaneous spatial, time and wavelength division multiplexed in-fibre grating sensing network 125 (1996) 53
Rea, N.P., T. Wilson and R. Juškaitis, Semiconductor laser confocal and interference microscopy 125 (1996) 158
Réfrégier, P., see Goudail, F. 125 (1996) 211
Řeháček, J. and J. Peřina, Two-slit experiment with downconverted beams 125 (1996) 82
Richard, A., see Lorgeré, I. 125 (1996) 95
Riis, E., see Snadden, M.J. 125 (1996) 70

Santarsiero, M., see Borghi, R. 125 (1996) 197
Selvarajan, A., see Balasubramanian, R. 125 (1996) 324
Shi, C.-X., A novel twisted Er-doped fiber ring laser: proposal, theory, and experiment 125 (1996) 349
Shimomura, T., see Mizunami, T. 125 (1996) 226
Shinohara, K., see Kodama, I. 125 (1996) 36
Snadden, M.J., A.S. Bell, E. Riis and A.I. Ferguson, Two-photon spectroscopy of laser-cooled Rb using a mode-locked laser 125 (1996) 70
Sochava, S.L., V.V. Kulikov, I.A. Sokolov and M.P. Petrov, Optical detection of non-steady-state photo-electromotive force in $Bi_{12}TiO_{20}$ 125 (1996) 262
Sokolov, I.A., see Sochava, S.L. 125 (1996) 262

Spreeuw, R.J.C., see Drewsen, M. 125 (1996) 77
Srinivas, T., see Balasubramanian, R. 125 (1996) 324
Stacewicz, T., see Chorąży, J. 125 (1996) 65
Stetsenko, A.N., see Kozhevnikov, I.V. 125 (1996) 13
Struk, I.I., see Kozhevnikov, I.V. 125 (1996) 13

Tchénio, P., see Lorgeré, I. 125 (1996) 95
Tepichin, E., P. Andrés and J. Ibarra, 2-D Lau patterns: in-register incoherent joint superposition of Montgomery patterns 125 (1996) 27
Tripathy, S.K., see Li, L. 125 (1996) 257

Uzunov, I.M., V.S. Gerdjikov, M. Gölles and F. Lederer, On the description of *N*-soliton interaction in optical fibers 125 (1996) 237

van Enk, S.J., see Zhang, J. 125 (1996) 168
Videen, G., D. Ngo and M.B. Hart, Light scattering from a pair of conducting, osculating spheres 125 (1996) 275
Vinogradov, A.V., see Kozhevnikov, I.V. 125 (1996) 13
Vodchitz, A.I., V.P. Kozich, P.A. Apanasevich and V.A. Orlovich, Correlations between the intensities of pump, depleted pump and Stokes waves in superbroadband stimulated Raman scattering 125 (1996) 243
Volostnikov, V., see Abramochkin, E. 125 (1996) 302

Wabnitz, S., see De Angelis, C. 125 (1996) 186
Wang, F., L. Liu and Y. Yin, Optical matrix–matrix multiplication by the use of fixed holographic multi-gratings in a photorefractive crystal 125 (1996) 21
Wei, C.-C., see Hwang, R.-B. 125 (1996) 217
Welling, H., see Högele, A. 125 (1996) 90
Wilson, T., see Rea, N.P. 125 (1996) 158

Yada, K., see Kodama, I. 125 (1996) 36
Yamaguchi, M., see Kodama, I. 125 (1996) 36
Yin, Y., see Wang, F. 125 (1996) 21
Yokohama, I., see Ishibashi, S. 125 (1996) 177
Yumashev, K.V., V.P. Mikhailov, P.V. Prokoshin, M.V. Artemyev and V.S. Gurin, Optical transient induced absorption in ultrasmall particles of amorphous selenium 125 (1996) 59

Zalevsky, Z., see Lohmann, A.W. 125 (1996) 18
Zhang, B., see Lü, B. 125 (1996) 48
Zhang, J., S.J. van Enk and P. Lambropoulos, Propagation and amplification of short-wavelength radiation in an autoionizing medium 125 (1996) 168
Zhang, L., see Rao, Y.J. 125 (1996) 53

ELSEVIER

15 April 1996

Optics Communications 125 (1996) 390–393

OPTICS COMMUNICATIONS

Subject index to volume 125

Propagation, diffraction and scattering

M. Gu and X.S. Gan, Effect of an ultrashort pulse on Fresnel diffraction by a circular opaque disk 1

A.A. Pakhomov and K.R. Losin, Processing of short sets of bright speckle images distorted by the turbulent Earth's atmosphere 5

I.V. Kozhevnikov, L.L. Balakireva, A.I. Fedorenko, I.A. Kopealets, V.E. Levashov, A.N. Stetsenko, I.I. Struk and A.V. Vinogradov, Synthesis and measurement of Os–Si multilayer mirrors optimized for the wavelength 380 Å 13

S. Dutta Gupta and J. Jose, Enhanced back-scattering with surface and guided modes coupled to a phase conjugate mirror 105

C. Palma, R. Borghi and G. Cincotti, Beams originated by J_0-correlated Schell-model planar sources 113

M. Arnold and A. Otto, Notes on localization of surface-plasmon-polaritons 122

G. Gouesbet, C. Letellier, G. Gréhan and J.T. Hodges, Generalized optical theorem for on-axis Gaussian beams 137

R. Borghi, F. Gori and M. Santarsiero, Optimization of Laguerre-Gauss truncated series 197

N. Kanai, A simple technique for evaluating the spatial coherence of light 204

Z.-P. Jiang, Super-Gaussian-Bessel beam 207

T. Alieva and F. Agullo-Lopez, Optical wave propagation of fractal fields 267

G. Videen, D. Ngo and M.B. Hart, Light scattering from a pair of conducting, osculating spheres 275

Optical information, image formation and analysis, optical computing

A.W. Lohmann, D. Mendlovic, Z. Zalevsky and R.G. Dorsch, Some important fractional transformations for signal processing 18

F. Wang, L. Liu and Y. Yin, Optical matrix–matrix multiplication by the use of fixed holographic multi-gratings in a photorefractive crystal 21

E. Tepichin, P. Andrés and J. Ibarra, 2-D Lau patterns: in-register incoherent joint superposition of Montgomery patterns 27

I. Kodama, M. Yamaguchi, N. Ohyama, T. Honda, K. Shinohara, A. Ito, T. Matsumura, K. Kinoshita and K. Yada, Image reconstruction from an in-line X-ray hologram with intensity distribution constraint 36

V. Boutenko and R. Chevallier, Second order direct binary search algorithm for the synthesis of computer-generated holograms 43

B. Lü, B. Cai, Z. Liu and B. Zhang, Improved segmented wedge array system with controllable line focus length 48

N.P. Rea, T. Wilson and R. Juškaitis, Semiconductor laser confocal and interference microscopy 158

F. Goudail and P. Réfrégier, Optimal and suboptimal detection of a target with random grey levels imbedded in non-overlapping noise 211

R.-B. Hwang and C.-C. Wei, Small perturbation analysis of diffracted holographic gratings 217

M.F. Erden, H.M. Ozaktas and D. Mendlovic, Synthesis of mutual intensity distributions using the fractional Fourier transform 288

E. Abramochkin and V. Volostnikov, Spiral-type beams: optical and quantum aspects 302

Optical communications

Y.J. Rao, A.B. Lobo Ribeiro, D.A. Jackson, L. Zhang and I. Bennion, Simultaneous spatial, time and wavelength division multiplexed in-fibre grating sensing network 53

R. Balasubramanian, T. Srinivas and A. Selvarajan, Analysis of interaction between inclined waveguide modes 324

Atomic, molecular and plasma physics

K.V. Yumashev, V.P. Mikhailov, P.V. Prokoshin, M.V. Artemyev and V.S. Gurin, Optical transient induced absorption in ultrasmall particles of amorphous selenium 59

J. Chorąży, T. Kotowski and T. Stacewicz, Investigation of resonance radiation trapping for optically saturated $3\,^2S_{1/2} \rightarrow 3\,^2P_{1/2}$ transition in sodium vapour 65

M.J. Snadden, A.S. Bell, E. Riis and A.I. Ferguson, Two-photon spectroscopy of laser-cooled Rb using a mode-locked laser 70

M. Drewsen, R.J.C. Spreeuw and J. Mlynek, Achromatic lenses for atoms using velocity-dependent light-induced potentials 77

J. Zhang, S.J. van Enk and P. Lambropoulos, Propagation and amplification of short-wavelength radiation in an autoionizing medium 168

S.V. Prants, Population locking in nonstationary two- and tri-photon resonances 222

Condensed matter

T. Mizunami, T. Itoh, S. Gupta and T. Shimomura, Interferometric measurement of KrF-laser-induced refractive index changes in germanosilicate fibers 226

M. Prevedelli, P. Cancio, G. Giusfredi, F.S. Pavone and M. Inguscio, Frequency control of DBR diode lasers at 1.08 micrometer and precision spectroscopy of helium 231

Quantum optics

J. Řeháček and J. Peřina, Two-slit experiment with downconverted beams 82

Lasers

A. Högele, G. Hörbe, H. Lubatschowski, H. Welling and W. Ertmer, 2.70 μm CrEr: YSGG laser with high output energy and FTIR-Q-switch 90

I. Lorgeré, A. Richard, A. Débarre, P. Tchénio and J.-L. Le Gouët, Determination of the field cross-correlation between successive pulses in a broadband laser 95

S. Ishibashi, H. Itoh, T. Kaino, I. Yokohama and K. Kubodera, New cavity configurations of Nd:MgO:$LiNbO_3$ self-frequency-doubled lasers 177

V.J. Pinto-Robledo and T.A. Hall, Chronocyclic description of laser pulse compression 338

C.-X. Shi, A novel twisted Er-doped fiber ring laser: proposal, theory, and experiment 349

K.I. Martin, W.A. Clarkson and D.C. Hanna, Limitations imposed by spatial hole burning on the single-frequency performance of unidirectional ring lasers 359

O.G. Calderón and I. Gonzalo, Electronic-vibrational coupling effects in the single mode laser 369

Nonlinear optics

R. Guo and Z. Ling, Diffraction efficiency of photorefractive index gratings 101

C. De Angelis and S. Wabnitz, Interactions of orthogonally polarized solitons in optical fibers 186

I.M. Uzunov, V.S. Gerdjikov, M. Gölles and F. Lederer, On the description of *N*-soliton interaction in optical fibers 237

A.I. Vodchitz, V.P. Kozich, P.A. Apanasevich and V.A. Orlovich, Correlations between the intensities of pump, depleted pump and Stokes waves in superbroadband stimulated Raman scattering 243

L. Bennett, A. Kilian and R. Macdonald, A simulation of reorientation driven pattern formation in a nematic liquid crystal with a single feedback mirror 250

L. Li, K.G. Chittibabu, Z. Chen, J.I. Chen, S. Marturunkakul, J. Kumar and S.K. Tripathy, Photorefractive effect in a conjugated polymer based material 257

S.L. Sochava, V.V. Kulikov, I.A. Sokolov and M.P. Petrov, Optical detection of non-steady-state photo-electromotive force in $Bi_{12}TiO_{20}$ 262

A. Kumar and A. Kumar, Properties of bright solitons in averaged and unaveraged models for SDG fibres 377